

## **List of Proposed Projects to Support Current Mission Essential Requirements**

1. Information Systems Facility (ISF) at Schofield Barracks – Propose to construct a 38,138 square foot multi-story, ground floor and basement. ISF would support the key and essential communications capabilities and interfaces between existing information data communication systems of telecommunication cables, laid in conduit, fiber optics, relays and junctions which could support the increased requirements of the proposed Transformation program. The existing installation information infrastructure has reached its maximum capacity and is unable to support significant upgrades required in the information age. Additionally, the ISF is the critical central hub that would provide connectivity to support essential constructive, virtual, and real information systems now and in any future upgrades. ISF operations would support 24 hours per day, 7 days a week Tactical Internet management location; Local Communications Control Center; secure and non secure main Communications Node of the network switching systems; secure information vault, and Special Compartmentalized Information Facility rooms. A small-sized Situation Readiness Center with a Video Teleconferencing Center (VTC). A message traffic room, break rooms, and restroom facilities would also be required. Estimated Energy/Utilities Requirements: Electrical Power: Estimated at 612 KW. Estimated Energy Consumption; 4,814,155 KWH/YR; Heating System: None; Air Conditioning System of approximately 150 tons; Water Supply: 4600 K gal/year; Sewer System: Sanitary sewer would be connect to the existing installation sewer system by gravity flow. Electrical power would be supplied through base substation and distribution system. Present distribution system is believed adequate to meet the project requirement without enlargement. The ISF would be constructed at the corner of Trimble and Beaver Roads on a site previously used for Army Family Housing. This project is required for Schofield Barracks if there is Transformation in Hawaii or not. This facility will support the current mission requirements of the 25<sup>th</sup> Infantry Division, but its use will increase based on the incorporation of and Stryker Brigade Combat Team (SBCT). Environmental effects of this proposed project will be addressed in a separate NEPA document.

2. Mission Support Training Facility (MSTF) at Schofield Barracks – Propose to construct an 89,803 square foot (SF) state-of-the-art Mission Support Training Facility to house war-fighting simulations training and digital classroom training to support company, battalion, brigade, division, and joint services, simulation training. Supporting facilities includes water, sanitary sewer, storm drainage, electric service to include conditioned power, exterior lighting, fire protection and alarm systems, paving, walks, curbs, gutters, parking, information systems, state-of-the-art intra-communications and intercommunications systems, and site improvements. Project will also include emergency back-up power for the facility. This project is required to provide a consolidated training facility for the training requirements of the 25th Infantry Division (Light). Estimated Energy/Utilities Requirements: Electrical Power: Estimated at 2,698 KW; Estimated Energy Consumption: 5,610,800 KWH/YR. Heating System: None; Air Conditioning System: Approximately 330 tons; Water Supply: 900K gal/year; Sewer System: Sanitary sewer would connect to the existing installation sewer system by gravity flow. Electrical power would be distributed through base substation and distribution system. Present distribution system is believed adequate to meet the project requirement without enlargement. Energy Use Impact: Present systems are believed adequate to support the new facility under this project. The proposed Mission Support Training Facility would be sited on Schofield Barracks next to the proposed Information Support Facility on a previously disturbed area that formerly

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accommodated government housing. This project is required for Schofield Barracks if there is Transformation in Hawaii or not. This facility will support the current mission requirements of the 25<sup>th</sup> Infantry Division, but its use will increase based on the incorporation of and Interim Brigade Combat Team. Environmental effects of this proposed project will be addressed in a separate NEPA document.

### **3. Installation Information Infrastructure Architecture (I3A) at Pohakuloa Training Area –**

Propose to install fiber optics cabling from the cantonment area to the ranges, motor pool, and other facilities within the installation. The I3A is necessary for the Army's mission essential requirements, as well as for connectivity to the transformation training locations of the Interim Brigade Combat Team on the Big Island. These telecommunications requirements would furnish digital information necessary for the interconnections between various ranges on PTA, Bradshaw Airfield and other locations on the Big Island. The I3A project could consist of underground and aboveground cabling that would provide additional links to the facilities and to the range complexes by upgrading e-mail system, asset visibility system, automated personnel processing system, and Video Teleconference capability. Environmental effects of this proposed project will be addressed in a separate NEPA document.

### **4. Installation Information Infrastructure Architecture (I3A) at Schofield Barracks and Wheeler Army Airfield –**

Propose to install fiber optics cabling from the cantonment area to the ranges, motor pool, and other facilities within the installation. The I3A is necessary for the Army's mission essential requirements, as well as for connectivity to the transformation training locations of the Interim Brigade Combat Team on Oahu. These telecommunications requirements would furnish digital information necessary for the interconnections between various ranges on Schofield Barracks, Wheeler Army Air Field, Helemano Military Reservation, Kahuku Training Area and other locations on Oahu. The I3A project could consist of underground and aboveground cabling that would provide additional links to the facilities, and to the range complexes by upgrading e-mail system, asset visibility system, automated personnel processing system, and Video Teleconference capability. Environmental effects of this proposed project will be addressed in a separate NEPA document.

### **5. Drum Road Upgrade between Helemano Military Reservation (HMR) and the Kahuku Training Area (KTA) –**

Propose to align, widen and harden approximately 23 miles of the existing dirt and gravel road that runs from the end of the paved road at HMR to the end of the existing paved road at KTA. Work would include widening the road to 24 feet and providing three foot compacted gravel shoulders on both sides, realigning dangerous blind curves, re-grading to correct steep slopes, provide drainage improvements, guard rails at drop offs and storm drainage structure and lines to preclude excessive amounts of storm runoff from sheet flowing over the road and endangering vehicular traffic on the road. This road would provide access to the KTA from HMR. Currently, the US Army uses both Drum Road and Kamehameha Highway along the North Shore. In the event of any blockage of Kamehameha Highway, this road could provide emergency access to the North Shore. This proposed project would be sited from HMR approximately 23 miles north into the KTA. See enclosed map of *Proposal: Expand and Improve Oahu Training Area Access Roads* for proposed location. Environmental effects of this proposed project will be addressed in a separate NEPA document.